



Application for United States Patent

Declaration and Power of Attorney

As a below named inventor, I hereby declare that:

My residence, post office address and citizenship are as stated below next to my name;

I believe I am an original, first and joint inventor of the subject matter which is claimed and for which a patent is sought on the invention entitled SPATIAL PHASE LOCKING WITH SHAPED ELECTRON BEAM LITHOGRAPHY the specification of which:

(check one) is attached hereto
☒ was filed on 03/15/01 as
 Application Serial No. 09/809,766
 and was amended on _____ (if applicable)

I hereby state that I have reviewed and understand the contents of the above identified specification, including the claims, as amended by any amendment referred to above.

I acknowledge the duty to disclose information which is material to the examination of this application in accordance with Title 37, Code of Federal Regulations, § 1.56(a).*

I hereby claim foreign priority benefits under Title 35, United States Code, §119 of any foreign application(s) for patent or inventor's certificate listed below and have also identified below any foreign application for patent or inventor's certificate having a filing date before that of the application on which priority is claimed:

| Prior Foreign Application(s) | | | Priority Claimed | |
|------------------------------|-------------------|------------------------|-------------------|-------------------|
| <u>None</u> | | | | |
| (Number) | (Country) | (Day/Month/Year Filed) | yes | no |
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I hereby claim the benefit under Title 35, United States Code, § 120 of any United States application(s) listed below and, insofar as the subject matter of each of the claims of this application is not disclosed in the prior United States application in the manner provided by the first paragraph of Title 35, United States Code, § 112, I acknowledge the duty to disclose material information as defined in Title 37, Code of Federal Regulations, §1.56(a) which occurred between the filing date of the prior application and the national or PCT international filing date of this application:

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| <u>None</u> | | |
| (Application Serial No.) | (Filing Date) | (Status: patented, pending, abandoned) |

Power of Attorney: As a named inventor, I hereby appoint Joseph P. Abate, Reg. No. 30,238, Jay H. Anderson, Reg. No. 38,371, Ira D. Blecker, Reg. No. 29,894, Steven Capella, Reg. No. 33,086, T. Rao Coca, Reg. No. 29,784, Harold Huberfeld, Reg. No. 26,665, Todd M. C. Li, Reg. No. 45,554, Susan Murray, Reg. No. 38,252, Daryl K. Neff, Reg. No. 38,253, Eric W. Petraske, Reg. No. 28,459, Marc D. Schechter, Reg. No. 28,989, H. Daniel Schnurmann, Reg. No. 35,791, William P. Skladony, Reg. No. 33,787, Tiffany Townsend, Reg. No. 43,199, Christopher A. Hughes, Reg. No. 26,914, Edward A. Pennington, Reg. No. 32,588, John E. Hoel, Reg. No. 26,279, Joseph C. Redmond, Jr., Reg. No. 18,753, C. Lamont Whitham, Reg. No. 22,424, Marshall M. Curtis, Reg. No. 33,138 and Michael E. Whitham, Reg. No. 32,635 as attorneys and/or agents to prosecute this application and transact all business in the Patent and Trademark Office connected therewith. All correspondence should be directed to McGuireWoods LLP, 1750 Tysons Boulevard, Suite 1800, Tysons Corner, McLean, Virginia 22102-3915. Telephone calls should be directed to McGuireWoods, LLP at (703) 712-5000.

I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge

that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code and that such willful false statements may jeopardize the validity of the application or any patent issued thereon.

(1) Inventor: Juan Ferrera

Signature: _____

Date

Residence: 65 Winchester St., #2, Medford, MA 02155

Citizenship: Mexico

Post Office Address: Same As Residence

(2) Inventor: James G. Goodberlet

Signature: _____

Date

Residence: 23 Martin Street, Melrose, MA 02176

Citizenship: USA

Post Office Address: Same As Residence

(3) Inventor: Timothy R. Groves

Signature: *Timothy R. Groves* 17 APRIL 2001

Date

Residence: *47 Addison Rd., Fishkill, NY 12524*

Citizenship: USA

Post Office Address: Same As Residence

(4) Inventor: John G. Hartley

Signature: _____

Date

Residence:

Citizenship:

Post Office Address:

(5) Inventor: Mark K. Mondol

Signature: _____

Date

Residence: P.O. Box 425401, Cambridge, MA 02142

Citizenship: USA

Post Office Address: Same As Residence

(6) Inventor: Mark L. Schattenburg

Signature: _____

Date

Residence: 755 Central Ave., Needham, MA 02494

Citizenship: USA

Post Office Address: Same As Residence

(7) Inventor: Henry I. Smith

Signature: _____

Date

Residence: 437 Peakham Road, Sudbury,

Citizenship:

Post Office Address: Same As Residence

Title 37, Code of Federal Regulations, §1.56(a):

(a) A duty of candor and good faith toward the Patent and Trademark Office rests on the inventor, on each attorney or agent who prepares or prosecutes the application and on every other individual who is substantively involved in the preparation or prosecution of the application and who is associated with the inventor, with the assignee or with anyone to whom there is an obligation to assign the application. All such individuals have a duty to disclose to the Office information they are aware of which is material to the examination of the application. Such information is material where there is substantial likelihood that a reasonable examiner would consider it important in deciding whether to allow the application to issue as a patent. The duty is commensurate with the degree of involvement in the preparation or prosecution of the application.

(b) Under this section, information is material to patentability when it is not cumulative to information already of record or being made of record in the application, and (1) it establishes, by itself or in combination with other information, a prima facie case of unpatentability; or (2) it refutes, or is inconsistent with, a position the applicant takes in: (i) opposing an argument of unpatentability relied on by the Office, or (ii) asserting an argument of patentability.

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Citizenship: USA
Post Office Address: Same As Residence
- (4) Inventor: John G. Hartley
Signature: John G. Hartley 4/16/01 Date _____
Residence: 47 Addison Road, Fishkill NY 12524 JGH
Citizenship: USA
Post Office Address: Same as Residence
- (5) Inventor: Mark K. Mondol
Signature: _____ Date _____
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(7) Inventor: Henry I. Smith

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Signature: Juan Ferrera

4/12/01

Date

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37271 FLIN COMMON, APT 3050, TREMONT, CA 94536 JF

Citizenship: Mexico

Post Office Address: Same As Residence

(2) Inventor: James G. Goodberlet

Signature: James Goodberlet

4-6-01

Date

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Signature: Mark K. Mondol

06 APR 2001

Date

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Citizenship: USA

Post Office Address: Same As Residence

(6) Inventor: Mark L. Schattenburg

Signature: Mark L. Schattenburg

4/9/01

Date

Residence: ~~755 Central Ave., Needham, MA 02494~~

Citizenship: USA 31 Agneduct Rd., Wayland MA 01778

MLS

Post Office Address: Same As Residence

(7) Inventor: Henry I. Smith

Signature: Henry I. SmithApril 9, 01

Date

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